KÄRCHER®

Shark® Pressure Washers

OPERATOR'S MANUAL

MODEL #	ORDER #	MODEL #	ORDER #
HD 2.8/10 ST Ed B / CB-301007D	1.575-300.0	HD 3.5/30 ST Ea B / CB-353007A	1.575-306.0
HD 4.2/20 ST Ea B / CB-402007A	1.575-301.0	HD 3.5/30 ST Eb B / CB-353007B	1.575-307.0
HD 4.2/20 ST Eb B / CB-402007B	1.575-302.0	HD 3.5/30 ST Ec B / CB-353007C	1.575-308.0
HD 4.2/20 ST Ec B / CB-402007C	1.575-303.0	HD 3.5/30 ST Eg B / CB-353007G	1.575-309.0
HD 4.2/20 ST Eg B / CB-402007G	1.575-304.0	HD 3.5/30 ST Eh B / CB-353007H	1.575-310.0
HD 4.2/20 ST Eh B / CB-402007H	1.575-305.0		

To locate your local Kärcher Shark Commercial Pressure Washer Dealer nearest you,
visit www.karchercommercial.com or www.karchershark.com

9.800-086.0

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Model Number _____

Serial Number _____

Date of Purchase _____

The model and serial numbers will be found on a decal attached to the pressure washer. You should record both serial number and date of purchase and keep in a safe place for future reference.

INTRODUCTION & IMPORTANT SAFETY INFORMATION

Thank you for purchasing this Pressure Washer. We reserve the right to make changes at any time without incurring any obligation.

Owner/User Responsibility:

The owner and/or user must have an understanding of the manufacturer's operating instructions and warnings before using this pressure washer. Warning information should be emphasized and understood. If the operator is not fluent in English, the manufacturer's instructions and warnings shall be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure that the operator comprehends its contents.

Owner and/or user must study and maintain for future reference the manufacturers' instructions.

The operator must know how to stop the machine quickly and understand the operation of all controls. Never permit anyone to operate the engine without proper instructions.

This manual should be considered a permanent part of the machine and should remain with it if machine is resold.

When ordering parts, please specify model and serial number. Use only identical replacement parts.

This machine is to be used only by trained operators.

IMPORTANT SAFETY INFORMATION

WARNING

READ OPERATOR'S MANUAL THOROUGHLY PRIOR TO USE.

WARNING: To reduce the risk of injury, read operating instructions carefully before using.

1. Read the owner's manual thoroughly. Failure to follow instructions could cause malfunction of the machine and result in death, serious bodily injury and/or property damage.
2. Know how to stop the machine and bleed pressure quickly. Be thoroughly familiar with the controls.
3. Stay alert — watch what you are doing.
4. All installations must comply with local codes. Contact your electrician, plumber, utility company or the selling distributor for specific details. If your machine is rated 250 volts or less, single phase will be provided with a ground fault circuit interrupter (GFCI). If rated more than 250 volts, or more than single phase this product should only be connected to a power supply receptacle protected by a GFCI.

DANGER: Improper connection of the equipment-grounding conductor can result in a risk of electrocution. Check with a qualified electrician or service personnel if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician. Do not use any type of adaptor with this product

WARNING

KEEP WATER SPRAY AWAY FROM ELECTRICAL WIRING.

WARNING: Keep wand, hose, and water spray away from electric wiring or fatal electric shock may result.

5. To protect the operator from electrical shock, the machine must be electrically grounded. It is the responsibility of the owner to connect this machine to a UL grounded receptacle of proper voltage and amperage ratings. Do not spray water on or near electrical components. Do not touch machine with wet hands or while standing in water. Always disconnect power before servicing.

WARNING

RISK OF EXPLOSION: DO NOT SPRAY FLAMMABLE LIQUIDS.

WARNING: Flammable liquids can create fumes which can ignite, causing property damage or severe injury.

WARNING: Risk of explosion — Do not spray flammable liquids.

6. Do not allow acids, caustic or abrasive fluids to pass through the pump.
7. Never run pump dry or leave spray gun closed longer than 1-2 minutes.
8. Keep operating area clear of all persons.

WARNING

USE PROTECTIVE EYE WEAR AND CLOTHING WHEN OPERATING THIS EQUIPMENT.

WARNING: High pressure spray can cause paint chips or other particles to become airborne and fly at high speeds. To avoid personal injury, eye, hand and foot safety devices must be worn.

9. Eye, hand, and foot protection must be worn when using this equipment.

IMPORTANT SAFETY INFORMATION

⚠ WARNING

TRIGGER GUN KICKS BACK - HOLD WITH BOTH HANDS

WARNING: Grip cleaning wand securely with both hands before starting. Failure to do this could result in injury from a whipping wand.

⚠ WARNING

RISK OF INJECTION OR SEVERE INJURY TO PERSONS. KEEP CLEAR OF NOZZLE.

WARNING: High pressure developed by these machines will cause personal injury or equipment damage. Keep clear of nozzle. Use caution when operating. Do not direct discharge stream at people, or severe injury or death will result.

10. To reduce the risk of injury, close supervision is necessary when a machine is used near children. Do not allow children to operate the pressure washer. **This machine must be attended during operation.**
11. Never make adjustments on machine while in operation.
12. Be certain all quick coupler fittings are secured before using pressure washer.

⚠ WARNING

PROTECT FROM FREEZING

WARNING: Protect machine from freezing.

13. To keep machine in best operating conditions, it is important you protect machine from freezing. Failure to protect machine from freezing could cause malfunction of the machine and result in death, serious bodily injury, and/or property damage. Follow storage instructions specified in this manual.
14. Inlet water must be clean fresh water and no hotter then 90°F.
15. Manufacturer will not be liable for any changes made to our standard machines or any components not purchased from us.
16. The best insurance against an accident is precaution and knowledge of the machine.

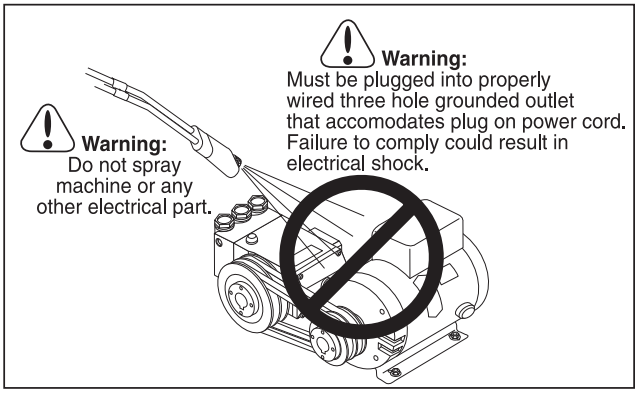
⚠ WARNING

RISK OF INJURY FROM FALLS WHEN USING LADDER.

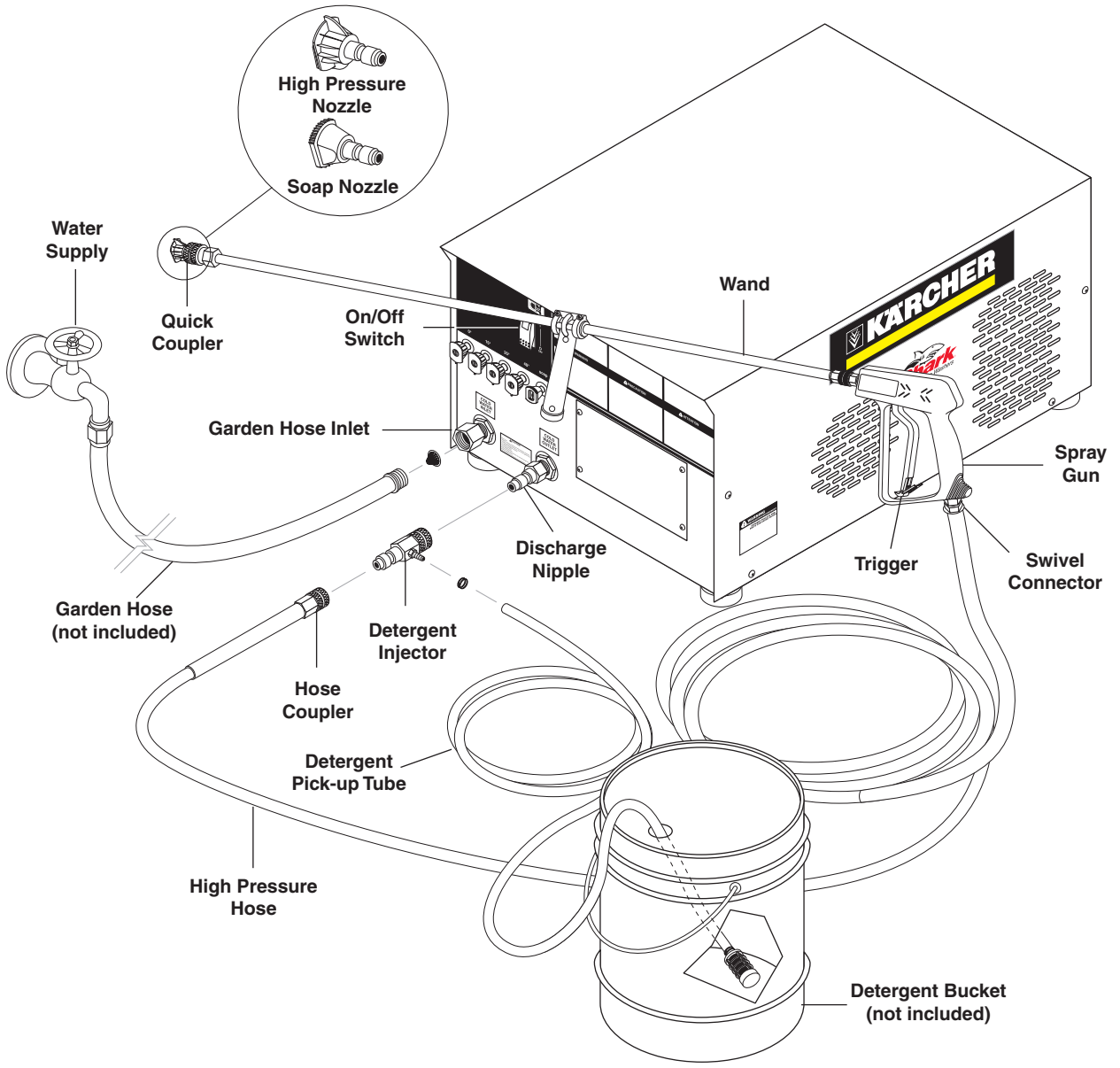
WARNING: Be extremely careful when using a ladder, scaffolding or any other relatively unstable location. The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.

17. Do not overreach or stand on unstable support. Keep good footing and balance at all times.
18. Do not operate this machine when fatigued or under the influence of alcohol, prescription medications, or drugs.

Follow the maintenance instructions specified in the manual.


Warning:
Must be plugged into properly wired three hole grounded outlet that accomodates plug on power cord. Failure to comply could result in electrical shock.
Warning:
Do not spray machine or any other electrical part.

COMPONENT IDENTIFICATION



Detergent Injector - Allows you to siphon and mix detergents, when used with soap nozzle.

High Pressure Hose — Connect one end to water pump discharge nipple and the other end to spray gun.

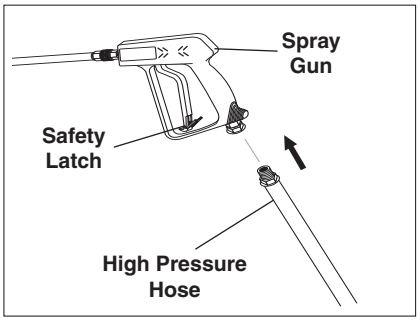
Spray Gun — Controls the application of water and detergent onto cleaning surface with trigger device. Includes safety latch.

Wand — Must be connected to the spray gun.

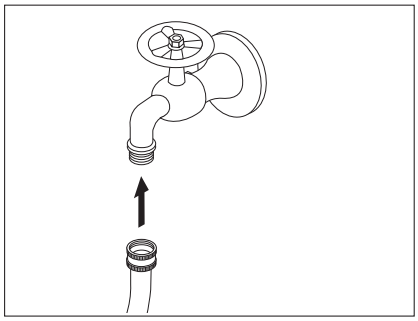
Swivel Connector - Allows free range of movement to avoid coiling hoses.

Note: **If trigger on spray gun is released for more than 2 minutes, water will leak from pump protector valve. Warm water will discharge onto floor and cool water will allow the pump protector to seal. This system prevents internal pump damage.**

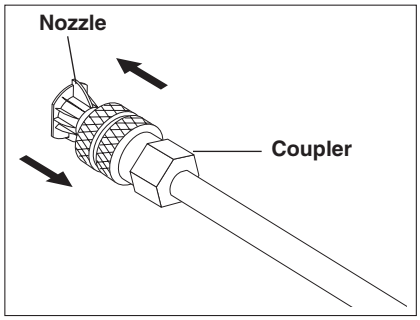
ASSEMBLY INSTRUCTIONS



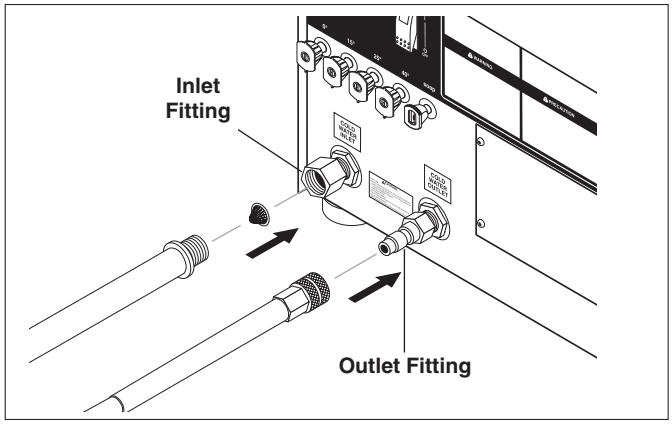
STEP 1: Attach the high pressure hose to the spray gun using teflon tape on hose threads. Use safety latch to prevent from opening.



STEP 2: Connect garden hose to the cold water source. Before installing nozzle, turn on water supply and run machine, allowing water to flush through the system until clear.

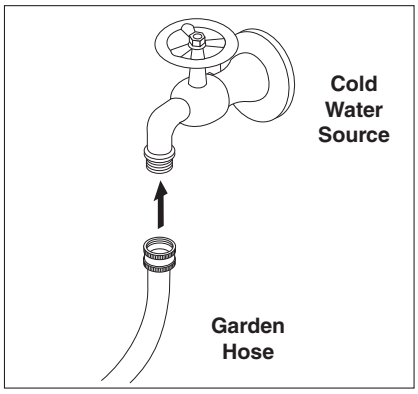


STEP 3: Insert nozzle into coupler. Release the coupler collar and push the nozzle until the collar clicks. Pull the nozzle to make sure it is seated properly.

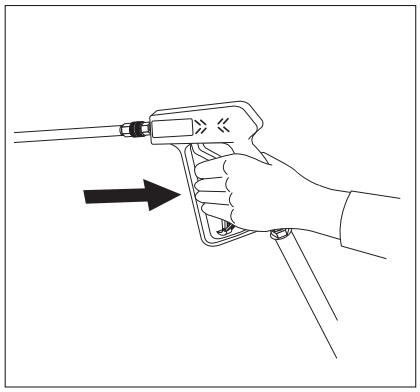


STEP 5: Connect the high pressure hose to the outlet discharge fitting. Push coupler collar forward until secure. Connect the garden hose to pump water inlet. Inspect inlets. ***CAUTION: Do not run the pump without water or pump damage will result.***

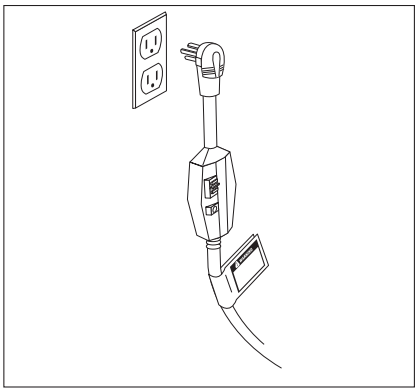
OPERATING INSTRUCTIONS



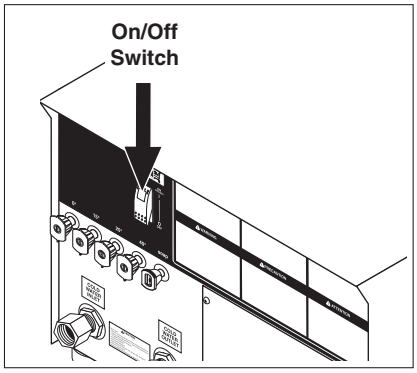
STEP 1: Connect garden hose to the cold water source and turn water on completely. Never use hot water.



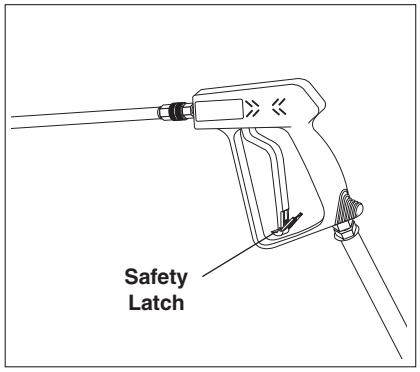
STEP 2: Trigger the spray gun to eliminate trapped air then wait for a steady flow of water to emerge from the spray wand. Then install nozzle.



STEP 3: Connect to appropriate power supply. Push GFCI reset button.

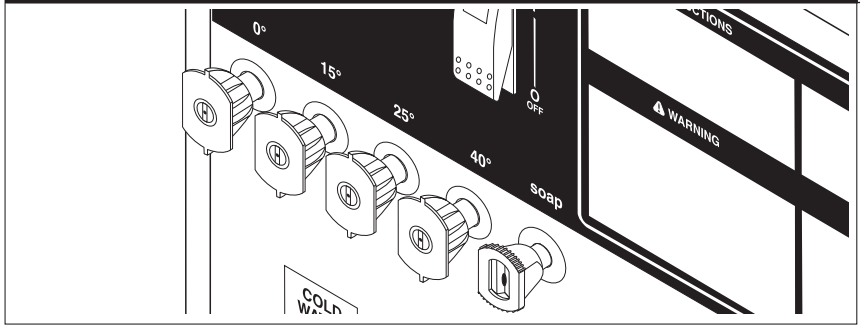


STEP 4: Turn machine on by pushing switch at front of machine.



⚠WARNING! Never replace nozzles without engaging the safety latch on the spray gun trigger.

NOZZLES



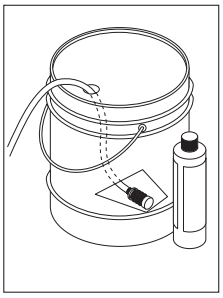
The five color-coded quick connect nozzles provide a wide array of spray widths from 0° to 40° and are easily accessible when placed in the convenient rubber nozzle holder, which is provided on the front of the machine.

NOTE: For a more gentle rinse, select the white 40° or green 25° nozzle. To scour the surface, select the yellow 15° or red 0° nozzle. To apply detergent select the black nozzle.

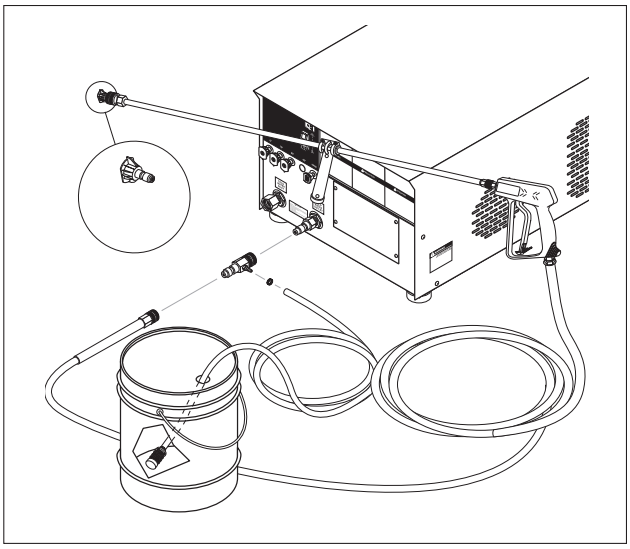
DETERGENTS AND GENERAL OPERATING TECHNIQUES

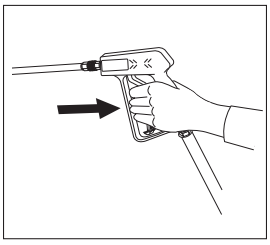
⚠ WARNING

WARNING: Some detergents may be harmful if inhaled or ingested, causing severe nausea, fainting or poisoning. The harmful elements may cause property damage or severe injury.



STEP 1: Use detergent designed specifically for pressure washers. Household detergents could damage the pump. Prepare detergent solution as required by the manufacturer. Fill a container with pressure washer detergent. Place the filter end of detergent suction tube into the detergent container.





STEP 2: Apply safety latch to spray gun trigger. Secure black detergent nozzle into quick coupler. **NOTE:** Detergent cannot be applied using the Yellow nozzle.

STEP 3: With the motor running, pull trigger to operate machine. Liquid detergent is drawn into the machine and mixed with water. Apply detergent to work area. Do not allow detergent to dry on surface.

IMPORTANT: You must flush the detergent injection system after each use by placing the suction tube into a bucket of clean water, then run the pressure washer in low pressure for 1-2 minutes.

THERMAL PUMP PROTECTION

If you run your pressure washer for 2 minutes without pressing the trigger on the spray gun, circulating water in the pump can reach high temperatures. When the water reaches this temperature, the pump protector engages and cools the pump by discharging the warm water onto the ground. This thermal device prevents internal damage to the pump.

CLEANING TIPS

Pre-rinse cleaning surface with fresh water. Place detergent suction tube directly into cleaning solution and apply to surface at low pressure (for best results, limit your work area to sections approximately 6' square and always apply detergent from bottom to top). Allow detergent to remain on surface 1-3 minutes. Do not allow detergent to dry on surface. If surface appears to be drying, simply wet down surface with fresh water. If needed, use brush to remove stubborn dirt. Rinse at high pressure from top to bottom in an even sweeping motion keeping the spray nozzle approximately 1' from cleaning surface. Use overlapping strokes as you clean and rinse any surface. For best surface cleaning action spray at a slight angle.

Recommendations:

- Before cleaning any surface, an inconspicuous area should be cleaned to test spray pattern and distance for maximum cleaning results.
- If painted surfaces are peeling or chipping, use extreme caution as pressure washer may remove the loose paint from the surface.
- Keep the spray nozzle a safe distance from the surface you plan to clean. High pressure wash a small area, then check the surface for damage. If no damage is found, continue to pressure washing.

⚠ CAUTION - Never use:

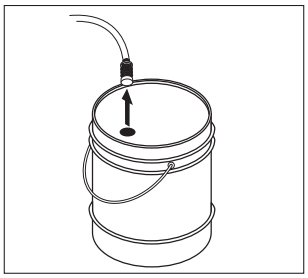
- Bleach, chlorine or other corrosive chemicals
- Liquids containing solvents (i.e., paint thinner, gasoline, oils)
- Tri-sodium phosphate products
- Ammonia products
- Acid-based products

These chemicals will harm the machine and will damage the surface being cleaned.

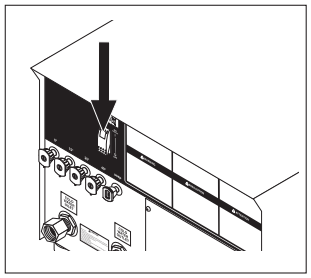
RINSING

It will take a few seconds for the detergent to clear. Apply safety latch to spray gun. Remove black soap nozzle from the quick coupler. Select and install the desired high pressure nozzle. **NOTE:** You can also stop detergent from flowing by simply removing detergent siphon tube from bottle.

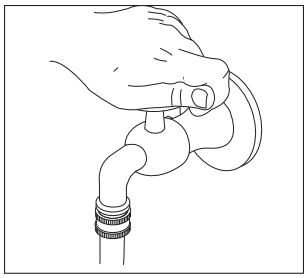
SHUTTING DOWN AND CLEAN-UP



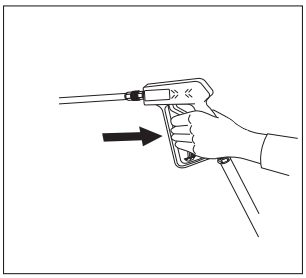
STEP 1: Remove detergent suction tube from soap container and insert into one gallon of fresh water. Use black soap nozzle with detergent injector. Pull trigger on spray gun and siphon water for one minute.



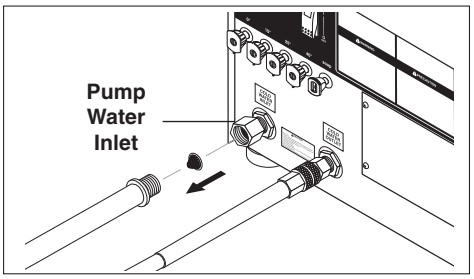
STEP 2: Turn off machine by pushing switch on front panel.



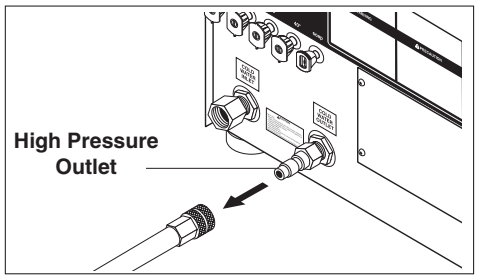
STEP 3: Turn off water supply.



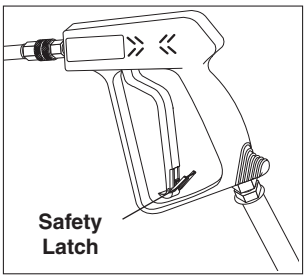
STEP 4: Press trigger to release water pressure.



STEP 5: Disconnect the garden hose from the water inlet on the machine. Protect from freezing.



STEP 6: Disconnect the high pressure hose from high pressure outlet.



STEP 7: Engage the spray gun safety lock.

STORAGE

Pump Storage

CAUTION

CAUTION: Always store your pressure washer in a location where the temperature will not fall below 32° F (0° C). The pump in this machine is susceptible to permanent damage if frozen.

FREEZE DAMAGE IS NOT COVERED BY WARRANTY.

If you must store your pressure washer in a location where the temperature is below 32° F, you can minimize the chance of damage to your machine by draining your machine as follows:

1. Stop the pressure washer and detach supply hose and high pressure hose. Squeeze the trigger of the spray gun to drain all water from the wand and hose.
2. Restart pressure washer and let it run briefly (about 5 seconds) until water no longer discharges from the high pressure outlet.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
PUMP RUNNING NORMALLY BUT PRESSURE LOW ON INSTALLATION	Pump sucking air	Check water supply and possibility of air.
	Check valves sticking	Check and clean or replace if necessary.
	Unloader valve seat faulty	Check and replace if necessary.
	Nozzle incorrectly sized	Check and replace if necessary.
	Worn piston packing	Check and replace if necessary.
FLUCTUATING PRESSURE	Valves worn	Check and replace if necessary.
	Blockage in valve	Check and clean if necessary.
	Pump sucking air	Check water supply connections.
	Worn piston packing	Check and replace if necessary.
	Insufficient water	Check filter and hose for breakage.
PRESSURE LOW AFTER PERIOD OF NORMAL USE	Nozzle worn	Check and replace if necessary.
	Suction or delivery valves worn	Check and replace if necessary.
	Suction or delivery valves blocked	Check and clean if necessary.
	Unloader valve seat worn	Check and replace if necessary.
	Unloader adjusted improperly	Call local Landa dealer. Tampering with the factory setting may cause personal injury and/or property damage and will void the manufacturer's warranty.
	Worn piston packing	Check and replace if necessary.
	Bypass valve within unloader is obstructed or leaking	Remove and clean bypass cartridge.
PUMP NOISY	Air in suction line	Check water supply and connections on suction line.
	Broken or weak suction or delivery valve spring	Check and replace if necessary.
	Foreign matter in valves	Check and clean if necessary.
	Worn bearings	Check and clean if necessary.
	Excessive temperature of water	Reduce to below 140°F.
PRESENCE OF WATER IN PUMP OIL	Oil seal worn	Check and replace if necessary.
	High humidity in air	Check and change oil twice as often.
	Piston packing worn	Check and replace if necessary.
WATER DRIPPING FROM UNDER PUMP	Piston packing worn	Check and replace if necessary.
	O-Ring plunger retainer worn	Check and replace if necessary.
OIL DRIPPING FROM PUMP	Oil seal worn	Check and replace if necessary.
EXCESSIVE VIBRATION IN HIGH PRESSURE HOSE	Irregular functioning of the pump valves	Check and replace if necessary.
	Obstruction in filter	Clean inlet filter.
MOTOR WILL NOT RUN	Motor overload	Push in the overload button located on the motor (single phase) or the overload button on the magnetic start switch (three phase).
	Step down transformer fuses	Check fuses and voltage. Replace if necessary.
	Coil of magnetic starter defective	Replace coil after the timer and unloader switch have been tested.
MACHINE WILL NOT TURN ON WHEN SWITCH IS PUSHED	Timer is defective	Join wires 15 and 16 together on timer. If machine works, replace timer.

PREVENTATIVE MAINTENANCE

PREVENTATIVE MAINTENANCE

This pressure washer was produced with the best available materials and quality craftsmanship. However, you as the owner, have certain responsibilities for the correct care of the equipment. Attention to regular preventative maintenance procedure will assist in preserving the performance of your equipment. Contact your dealer for maintenance. Regular preventative maintenance will add many hours to the life of your pressure washer. Perform maintenance more often under severe conditions.

MAINTENANCE SCHEDULE		
Pump Oil	Inspect	25 Hours or Weekly
	Change	Yearly
Check Valve Clearance		Yearly
Water Filter	Inspect	Every 6 Hours or Daily
	Clean	Yearly

OIL CHANGE RECORD

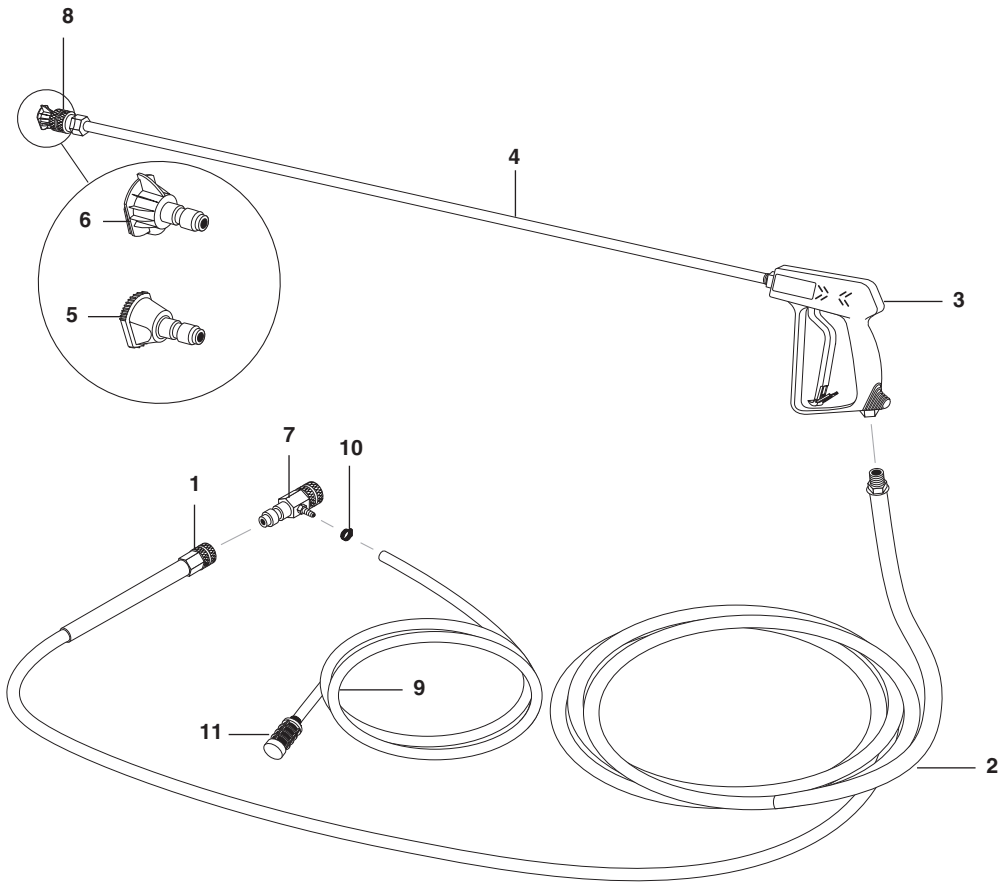
Check pump oil level before first use. Change pump oil after first 50 hours and every month or 500 hours thereafter.

Use SAE 30 weight oil.

Date Oil Changed Month/Day/Year	Estimated Operating Hours Since Last Oil Change

Date Oil Changed Month/Day/Year	Estimated Operating Hours Since Last Oil Change

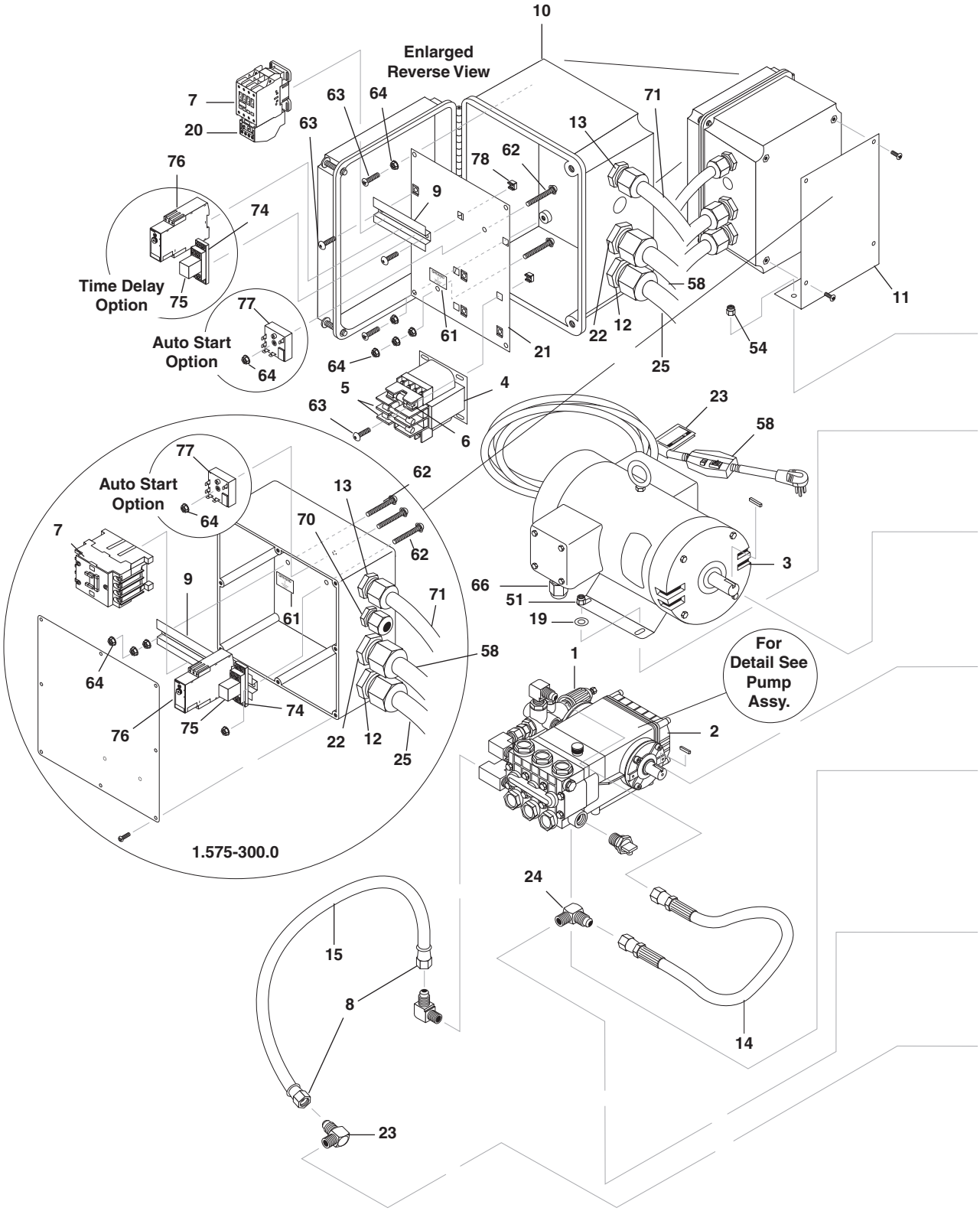
HOSE & SPRAY GUN ASSEMBLY



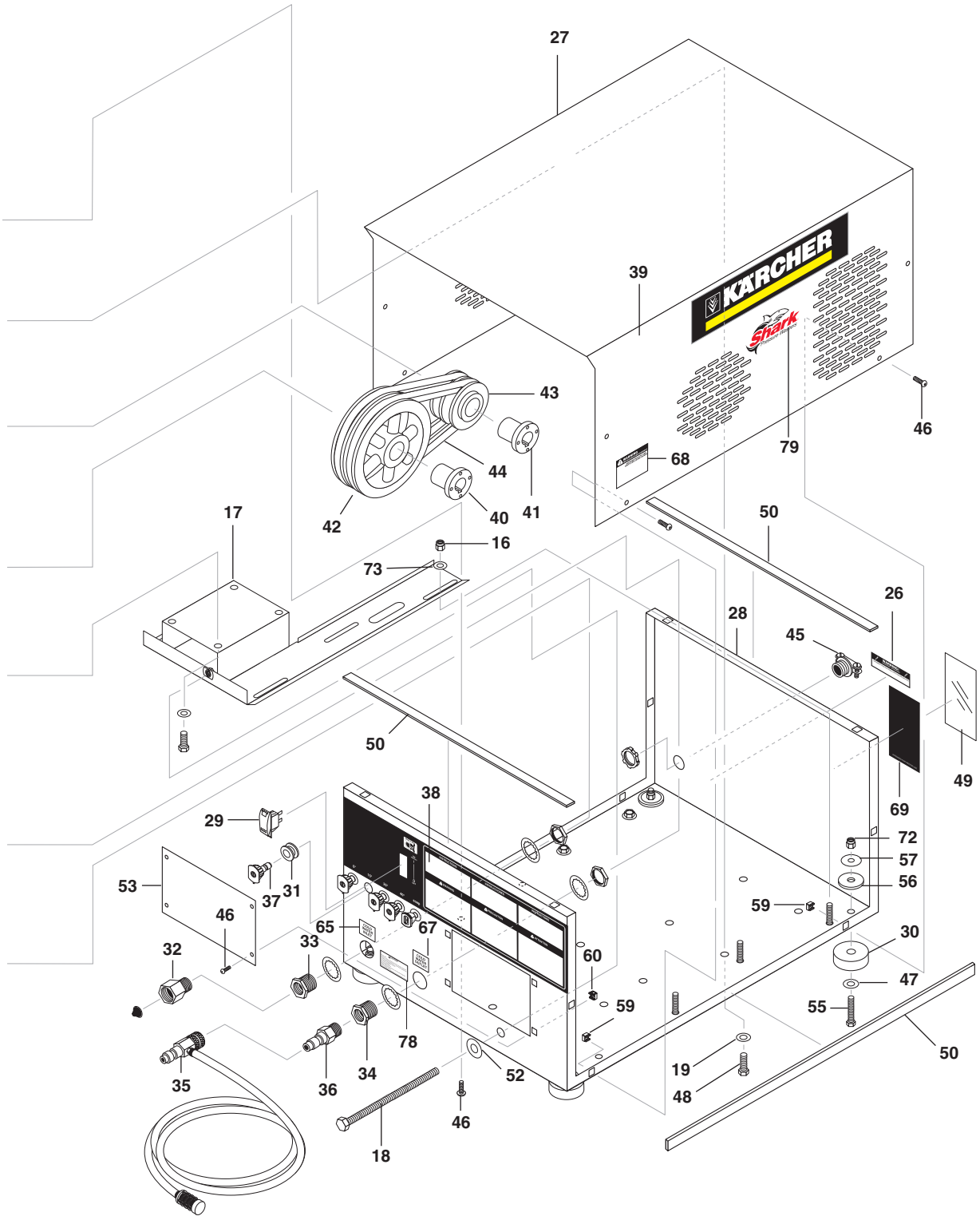
HOSE & SPRAY GUN ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.802-166.0	Coupler, 3/8" Female	1
	9.802-100.0	Quick Coupler O-Ring	1
2	8.739-125.0	Hose, 3/8" x 50', 1 Wire Tuff-Flex	1
3	8.711-348.0	Spray Gun	1
4	9.802-219.0	Wand w/Side Grip	1
5	8.712-398.0	Nozzle, Soap, Brass	1
6	Nozzle, See Exploded View Parts List		
7	9.802-216.0	Injector, Detergent Adj., 3-5 GPM 0.083	1
8	9.802-164.0	Coupler, 1/4" Female	1
	9.802-096.0	Quick Coupler O-Ring	1
9	9.802-251.0	Tube, 1/4" x 1/2" Clear Vinyl	6 ft.
10	6.390-126.0	Clamp, Hose	2
11	8.707-057.0	Strainer	1

EXPLODED VIEW



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	Unloader, See Specifications Pages		
2	Pump, See Specifications Pages		
3	Motor, See Specifications Pages		
4	9.802-551.0	Transformer (301.0, 302.0, 303.0, 306.0, 307.0, 308.0)	1
	9.804-556.0	Transformer (304.0, 305.0, 309.0, 310.0)	1
5	8.933-007.0	Fuse, ATMR, 1 Amp, 600V (306.0, 307.0, 310.0, 301.0, 302.0, 304.0, 305.0)	2
	9.802-462.0	Fuse, 1/2 Amp, 600V (303.0, 308.0)	2
6	9.802-463.0	Fuse, Paper, Buss FNM-1/2, 250V Midget	1
7	Contactor, See Specification Pages		
8	9.802-151.0	Swivel, 1/2" JIC Fem, Push-On	2
9	9.802-457.0	Din Rail, 35 mm	4"
10	9.802-476.0	Box, Plastic, 10" x 8" x 6" w/Lid (301.0, 302.0, 303.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0)	1
	9.802-475.0	Box, Plastic 8" x 8" x 4" (300.0)	1
11	9.803-038.0	Bracket, Electric Box Support	1
12	9.802-515.0	Strain Relief, STRT, LQ Tite (300.0)	1
	9.802-524.0	▲ Locknut, 1/2" Conduit	1
	9.802-518.0	Strain Relief, STRT, LQ Tite (301.0, 302.0, 303.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0)	1
	9.802-526.0	▲ Lock Nut, 3/4" (301.0, 302.0, 303.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0)	1
13	9.802-515.0	Strain Relief, Straight, Medium	1
	9.802-524.0	Locknut, 1/2" Conduit	1
14	9.802-239.0	Hose, 3/8" x 20", 2 Wire, Pressure Loop (301.0, 302.0, 303.0, 304.0,305.0, 306.0, 307.0, 308.0, 309.0, 310.0)	1
	9.802-241.0	Hose, 3/8" x 25", 2 Wire, Pressure Loop (300.0)	1
15	9.802-259.0	Hose, 1/2" Push-On	1 ft.
16	9.802-776.0	Nut, 5/16" ESNA	4
17	9.803-100.0	Slider, Pump	1
18	9.802-738.0	Bolt, 1/2" x 8"	1
19	8.718-980.0	Washer, 5/16", Flat, SAE (300.0)	4
	9.802-807.0	Washer, 3/8" SAE, Flat (301.0, 302.0, 303.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0)	4
20	Overload, See Specifications Pages		
21	9.803-032.0	Standoff, Electrical Box (301.0, 302.0, 303.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0)	1
22	9.802-518.0	Strain Relief, 3/4" Strt, LQ Tite (301.0, 302.0, 303.0, 304.0, 305.0, 307.0, 308.0, 310.0)	1
	9.802-526.0	▲ Lock-Nut, 3/4" (301.0, 302.0, 303.0, 304.0, 305.0, 307.0, 308.0, 310.0)	1
	9.802-515.0	Strain Relief, Strt, LQ Tite (300.0)	1
	9.802-524.0	▲ Lock Nut, 1/2" Conduit (300.0)	1
	9.802-521.0	Strain Relief, 3/4" (306.0, 309.0)	1
	9.802-526.0	▲ Lock-Nut, 3/4" (306.0, 309.0)	1
23	8.932-969.0	Label, Warn Service Cord	1

EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
24	9.802-039.0	Elbow, 1/2" JIC x 3/8", 90°	1
25	9.802-436.0	Cord, Serv, SEO, 10/3 Coleman, Motor (301.0, 304.0)	3.33 ft.
	9.802-437.0	Cord Service, 10/4, Motor (310.0)	3.33 ft.
	9.802-428.0	Cord, Service, 12/3, Motor (300.0)	4.25 ft.
	9.802-425.0	Cord, Service, 8/3, Motor (306.0, 309.0)	3.33 ft.
	9.802-429.0	Cord Service, 12/4, Motor (302.0, 303.0, 305.0, 307.0, 308.0)	3.33 ft.
26	9.800-016.0	Label, Disconnect Power Supply	1
27	9.802-879.0	Cover, Cabinet, Cold Water, Black	1
28	9.802-875.0	Base Cabinet, Cold Water, Wrinkle Black	1
29	9.802-451.0	Switch, Rocker, Carling w/Green Lens	1
	9.802-452.0	Switch, Rocker, Carling Red (Time-Delay Shutdown Option)	1
30	9.802-066.0	Pad, Soft Rubber, Duro 50	4
31	9.802-064.0	Grommet, Rubber (Nozzle Holder)	5
32	9.802-146.0	Swivel, 1/2" MP x 3/4" GHF w/Strainer	1
33	8.707-000.0	Connector, 1/2" Anchor	1
34	8.706-998.0	Connector, 3/8" Anchor	1
35	9.802-225.0	Downstream Injector Assembly, Non-Adj.	1
36	9.802-171.0	Nipple, 3/8" x 3/8" NPT ST Male	1
37	8.712-361.0	Nozzle, 0006, Red (301.0, 302.0, 303.0, 304.0, 305.0)	1
	8.712-362.0	Nozzle, 1506, Yellow (301.0, 302.0, 303.0, 304.0, 305.0)	1
	8.712-363.0	Nozzle, 2506, Green (301.0, 302.0, 303.0, 304.0, 305.0)	1
	8.712-364.0	Nozzle, 4006, White (301.0, 302.0, 303.0, 304.0, 305.0)	1
	8.712-345.0	Nozzle, 0004, Red (306.0, 307.0, 308.0, 309.0, 310.0)	1
	8.712-346.0	Nozzle, 1504, Yellow (306.0, 307.0, 308.0, 309.0, 310.0)	1
	8.712-347.0	Nozzle, 2504, Green (306.0, 307.0, 308.0, 309.0, 310.0)	1
	8.712-348.0	Nozzle, 4004, White (306.0, 307.0, 308.0, 309.0, 310.0)	1
	8.712-357.0	Nozzle, 0005.5, Red (300.0)	1
	8.712-358.0	Nozzle, 1505.5, Yellow (300.0)	1
	8.712-359.0	Nozzle, 2505.5, Green (300.0)	1
	8.712-360.0	Nozzle, 4005.5, White (300.0)	1
38	9.802-791.0	Nut, Cage, 10/32" x 16 Gauge (301.0, 302.0, 303.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0)	6
39	9.800-064.0	Label	2
40	Bushing, See Specifications Pages		
41	Bushing, See Specifications Pages		
42	Pump Pulley, See Specifications Pages		
43	Motor Pulley, See Specifications Pages		
44	Belt, See Specifications Pages		

EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
45	9.802-522.0	Strain Relief, 1"	1
46	9.802-765.0	Screw, 1/4" x 1/2", BH SOC CS	14
47	9.802-817.0	Washer, 3/8" x 1" Steel	4
48	9.802-710.0	Bolt, 5/16" x 1 NC (300.0)	4
	9.802-720.0	Bolt, 3/8" x 1" NC, HH (301.0, 302.0, 303.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0)	4
49	9.800-034.0	Label, Clear Lexan, 2-1/4" x 4-1/2"	1
50	9.802-073.0	Weather Stripping	7 ft.
51	9.802-779.0	Nut, 3/8" ESNA, NC (301.0, 302.0, 303.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0)	4
	9.802-776.0	Nut, 5/16", ESNA, NC (300.0)	4
52	9.802-800.0	Washer, 1/2" Flat	1
53	9.803-081.0	Cover, Access Hole	1
54	9.802-773.0	Nut, 1/4", ESNA NC	2
55	9.802-723.0	Bolt, 3/8" x 1-1/2", NC HH	4
56	9.802-067.0	Bumper Pad, Engine	4
57	9.802-811.0	Washer, 3/8" x 1-1/2" Fender	4
58	9.802-431.0	GFCI, 120V 20A w/36' 12-3 Cord (300.0)	1
	9.802-430.0	GFCI, 240V 1Ph, 30A, 36' 10-3 Cord (301.0, 304.0)	1
	9.802-434.0	GFCI 240V 1Ph 40A, 36' 8-3 Cord (306.0, 309.0)	1
	9.802-429.0	Cord, Serv, SEO 12/4 (302.0, 303.0, 305.0, 307.0, 308.0)	10 ft.
	9.802-437.0	Cord, Service, 10/4 (310.0)	10 ft.
59	9.802-794.0	Nut, Cage, 1/4" x 12 Gauge	8
60	9.802-074.0	Nut, 1/4" Square Head Grommet, Nylon	4
61	9.800-040.0	Label, Ground	1
62	9.802-762.0	Screw, 10/32" x 1-1/4" RH, SL (301.0, 302.0, 303.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0) (300.0)	1 2
63	9.802-759.0	Screw, 10/32" x 1/2" BHSOC (303.0, 304.0, 305.0, 306.0, 307.0, 308.0)	11
64	9.802-695.0	Nut, 10/32" KEPS (300.0) (301.0, 302.0, 304.0, 305.0, 306.0, 307.0, 308.0, 309.0, 310.0)	4 10
65	9.800-020.0	Label, Cold Water Inlet, HS	1
66	9.803-278.0	Strain Relief, 3/4", LQ Tite (300.0)	1
	9.802-518.0	Strain Relief, STRT, LQ Tite (301.0, 302.0, 303.0, 304.0, 305.0, 307.0, 308.0)	1
	9.802-526.0	▲ Locknut, 3/4" (300.0, 301.0, 302.0, 303.0, 304.0, 305.0, 307.0, 308.0)	1
	9.803-279.0	Strain Relief, 1" (306.0, 309.0, 310.0)	1
	9.803-280.0	▲ Locknut, 1" (306.0, 309.0, 310.0)	1
67	8.932-970.0	Label, Cold Water Outlet	1
68	9.800-007.0	Label, Warning, Exposed Pulleys	1
69	9.800-013.0	Label, Intended for Indoor Use	1

EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
70	9.802-514.0	Strain Relief, Small, LQ Tite (Time Delay/Auto-Start Option)	1
	9.802-524.0	▲ Lock-Nut, 1/2" Conduit (Time Delay/Auto-Start Option)	1
71	9.802-423.0	Cord, Service, SEO, 16/3	2.5 ft.
	9.802-424.0	Cord, Service, SEO 16/4 (Time Delay Shutdown Option)	2.5 ft.
72	9.802-779.0	Nut, 3/8" ESNA	4
73	8.718-980.0	Washer, 5/16" Flat	4
74	9.802-467.0	Base Relay (Time Delay Shutdown Option)	1
75	9.802-468.0	Relay (Time Delay Shutdown Option)	1
76	9.802-473.0	Timer, Multi-Function, 24V-120/240V (Time Delay Shutdown Option)	1
77	9.802-472.0	Timer, Solid State, 120V, 5-60 Mins, Adjustable (Auto Start/Stop Option)	1
78	9.800-049.0	Label, Manufacturer's Cleaning Solution	1
79	8.704-660.0	Label, Die-Cut Karcher-Shark	2

▲ Not Shown

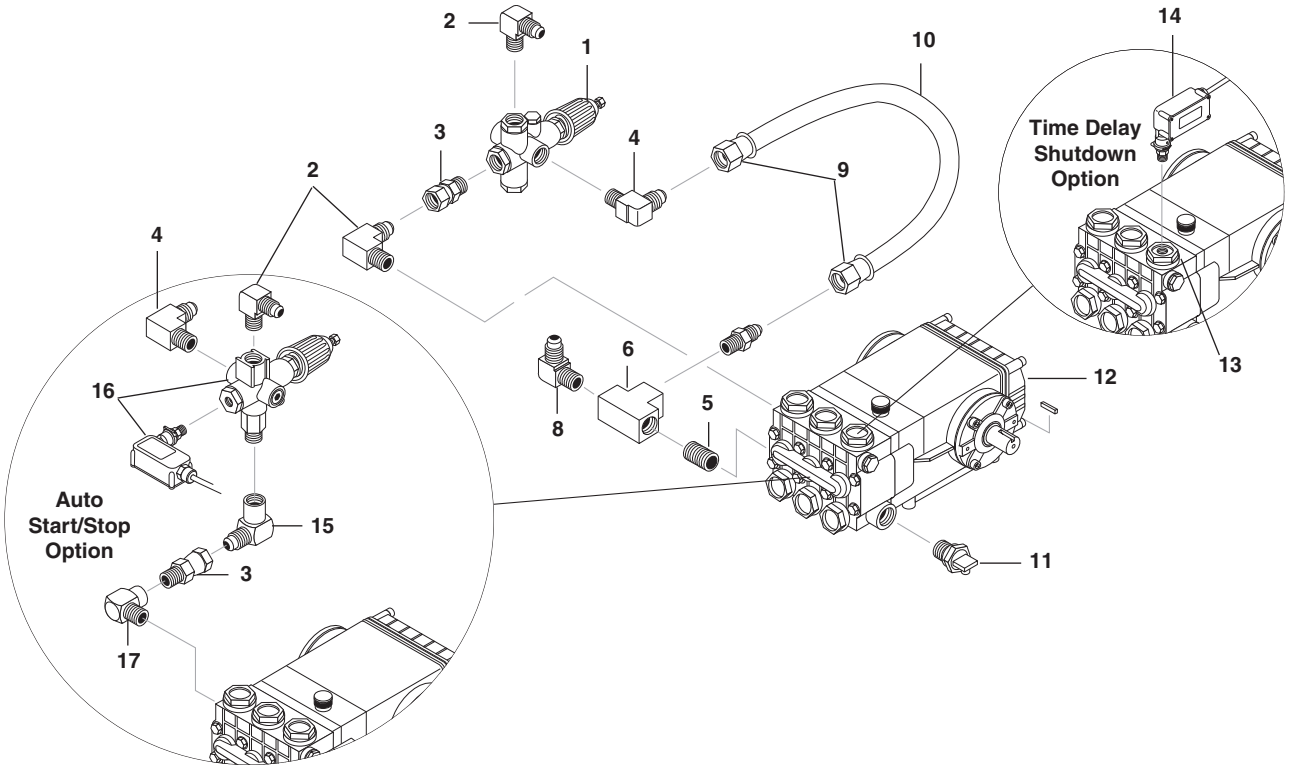
SPECIFICATIONS

Model	Pump	Pump Part No.	Pump Pulley	Pump Pulley Part No.	Pump Bushing	Bushing Part No.	Size	Voltage/ph	Hz
1.575-300.0	KD3030R.1	9.804-006.0	AK74H	9.802-369.0	24MM	9.802-402.0	2HP	120V/1PH	60
1.575-301.0	KM4035R.2	9.802-343.0	2AK74H	9.802-369.0	24MM	9.802-402.0	6.2HP	230V/1PH	60
1.575-302.0	KM4035R.2	9.802-343.0	2AK74H	9.802-369.0	24MM	9.802-402.0	6.2HP	230V/3PH	60
1.575-303.0	KM4035R.2	9.802-343.0	2AK74H	9.802-369.0	24MM	9.802-402.0	6.2HP	460V/3PH	60
1.575-304.0	KM4035R.2	9.802-343.0	2AK74H	9.802-369.0	24MM	9.802-402.0	6.2HP	208V/1PH	60
1.575-305.0	KM4035R.2	9.802-343.0	2AK74H	9.802-369.0	24MM	9.802-402.0	6.2HP	208V/3PH	60
1.575-306.0	KM4035R.2	9.802-343.0	2BK80H	8.715.592.0	24MM	9.802-402.0	7.5HP	230V/1PH	60
1.575-307.0	KM4035R.2	9.802-343.0	2BK80H	8.715.592.0	24MM	9.802-402.0	7.5HP	230V/3PH	60
1.575-308.0	KM4035R.2	9.802-343.0	2BK80H	8.715.592.0	24MM	9.802-402.0	7.5HP	460V/3PH	60
1.575-309.0	KM4035R.2	9.802-343.0	2BK80H	8.715.592.0	24MM	9.802-402.0	7.5HP	208V/1PH	60
1.575-310.0	KM4035R.2	9.802-343.0	2BK80H	8.715.592.0	24MM	9.802-402.0	7.5HP	208V/3PH	60

SPECIFICATIONS

Model	Motor Part No.	Motor Pulley	Motor Pulley Part No.	Motor Bushing	Motor Part No.	Belt Size	Belt Part No.	Contractor Part No.	Overload Part No.
300.0	9.802-339.0	AK32x5/8	9.804-004.0	N/A	N/A	AX40 (1)	9.804-005.0	8.724-268.0	N/A
301.0	9.802-336.0	2AK56H	9.802.373.0	HX1-1/8"	9.802-400.0	AX42 (2)	9.802-411.0	8.724-276.0	N/A
302.0	9.802-329.0	2AK56H	9.802-373.0	HX1-1/8"	9.802-400.0	AX42 (2)	9.802-411.0	8.724-268.0	8.724-304.0
303.0	9.802-329.0	2AK56H	9.802-373.0	HX1-1/8"	9.802-400.0	AX42 (2)	9.802-411.0	8.724-268.0	8.724-312.0
304.0	9.802-337.0	2AK56H	9.802-373.0	HX1-1/8"	9.802-401.0	AX42 (2)	9.802-411.0	8.724-276.0	N/A
305.0	9.802-330.0	2AK56H	9.802-373.0	HX1-1/8"	9.802-401.0	AX42 (2)	9.802-411.0	8.724-268.0	8.724-304.0
306.0	8.715-097.0	2BK52H	9.802-386.0	HX1-3/8"	9.802-401.0	BX43 (2)	9.802-420.0	8.724-276.0	8.724-306.0
307.0	8.715-105.0	2BK52H	9.802-386.0	HX1-3/8"	9.802-401.0	BX43 (2)	9.802-420.0	8.724-268.0	8.724-304.0
308.0	8.715-105.0	2BK52H	9.802-386.0	HX1-3/8"	9.802-401.0	BX43 (2)	9.802-420.0	8.724-268.0	8.724-312.0
309.0	9.802-332.0	2BK52H	9.802-386.0	HX1-3/8"	9.802-401.0	BX43 (2)	9.802-420.0	8.724-276.0	8.724-306.0
310.0	9.802-333.0	2BK52H	9.802-386.0	HX1-3/8"	9.802-401.0	BX43 (2)	9.802-420.0	8.724-268.0	8.724-305.0

PUMP EXPLODED VIEW

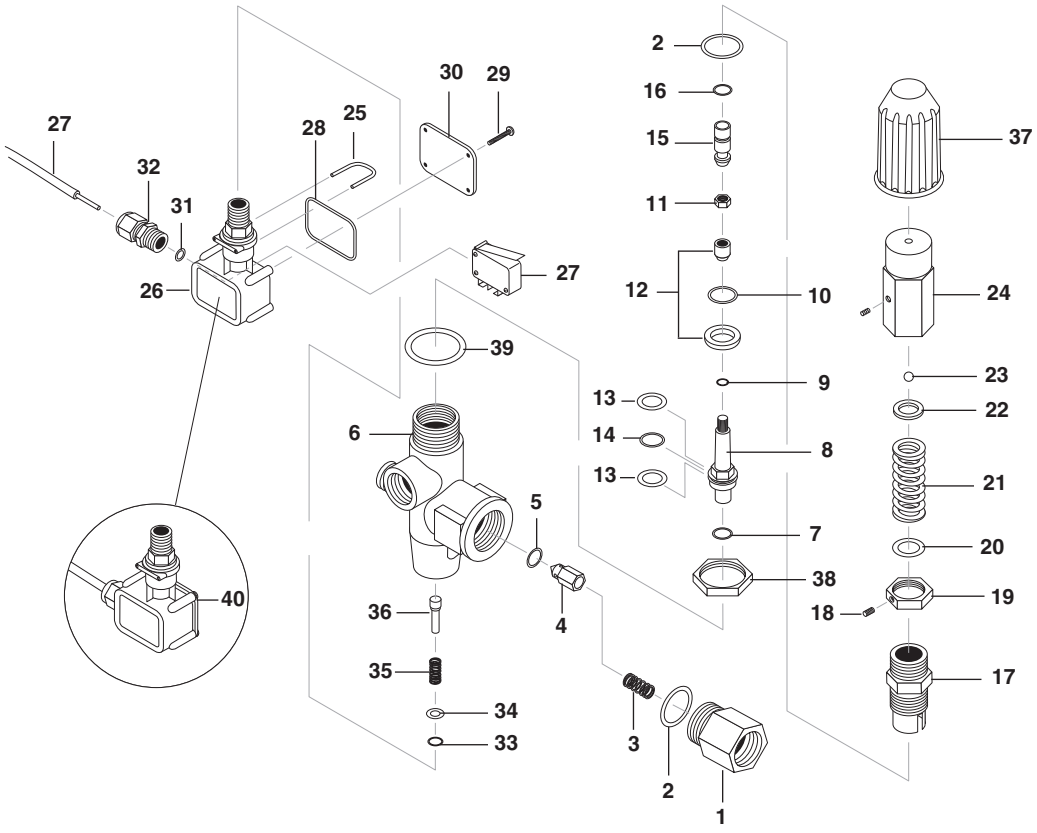


PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	8.715-483.0	Unloader, AL-VRT, 7.8 GPM @ 4200 PSI	1
2	9.802-039.0	Elbow, 1/2" JIC, 3/8", 90°	1
3	9.802-048.0	Swivel, 1/2" JIC x 3/8" Male	1
4	9.802-129.0	Elbow, 1/2" JIC x 3/8"	1
5	8.706-790.0	Nipple, 1/2" Close	1
6	8.706-844.0	Tee, 1/2" Female Pipe	1
7	9.802-128.0	Nipple, 1/2" JIC x1/2" MPT Pipe	1
8	9.802-131.0	Elbow, 1/2" JIC x 1/2", 90°	1
9	9.802-151.0	Swivel Push-On, 1/2" JIC Female	2
10	9.802-259.0	Hose, 1/2" Push-On	18"
11	9.803-670.0	Protector, Pump, 1/2", 190°	1
12	Pump, See Specifications Pages		
13	9.802-632.0	Cap, Valve w/1/4" Gauge Port (Time Delay Shutdown Option) (All Except 300.0)	1
	9.804-022.0	Cap, Valve w/1/4" Gauge Port (Time Delay Shutdown Option (300.0)	1
14	9.802-458.0	Switch, Pressure, N/O, 1/4" NP (Time Delay Shutdown Option)	1
15	9.802-042.0	Elbow, 1/2" JIC x 3/8 Fem, 90° (Auto Start/Stop Option)	1
16	9.802-362.0	Unloader, PA 8 GPM@3650 PSI, VB8, w/Switch (Auto Start/Stop Option)	1
17	8.706-207.0	Elbow, 3/8 Street	1

VB8 UNLOADER VALVE EXPLODED VIEW

5-3027



VB8 UNLOADER VALVE EXPLODED VIEW PARTS LIST

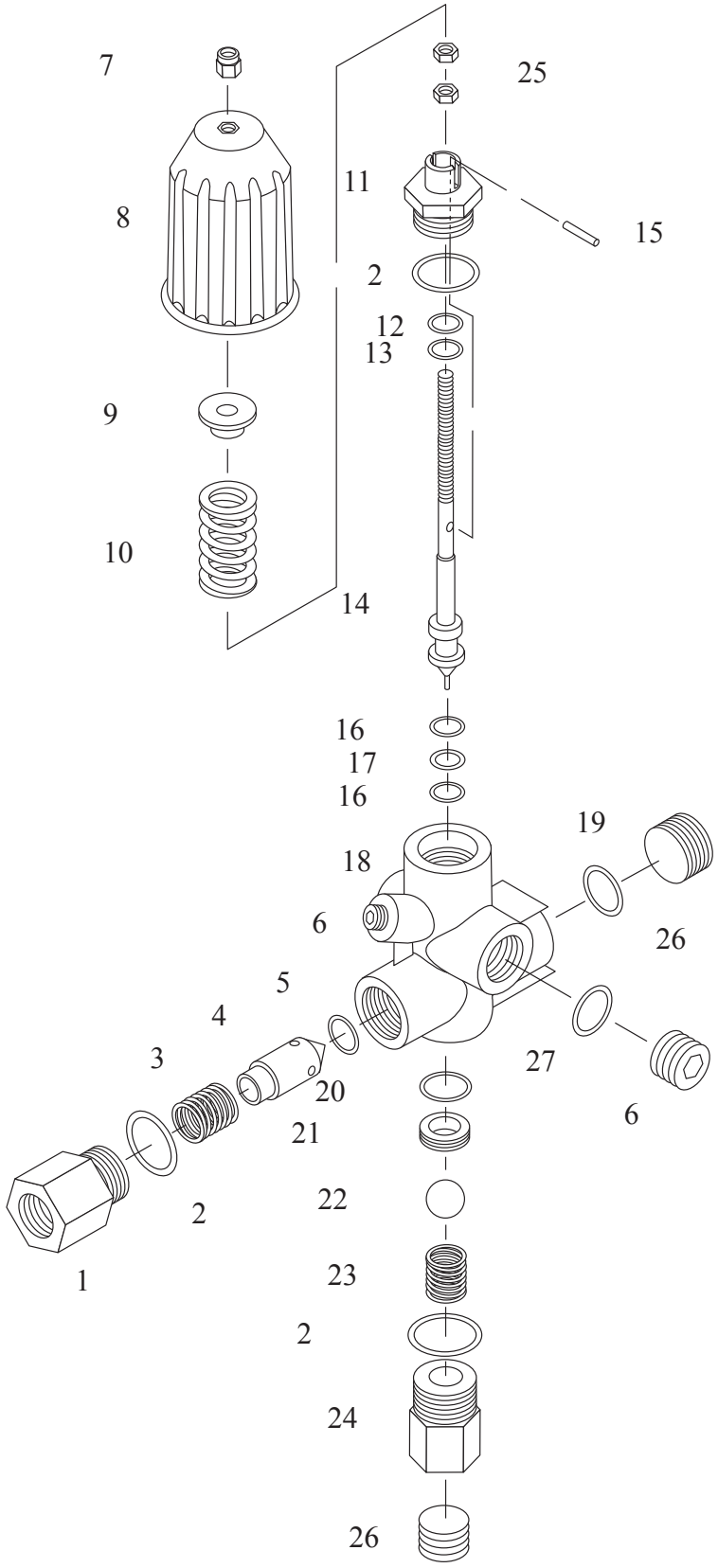
ITEM	PART NO.	DESCRIPTION	QTY
1	60.0058.31	3/8 Bsp F Outlet Fitting	1
2	10.3070.02*	O-ring 1.78 x 18.77 mm	2
3	60.0053.51	Spring	1
4	60.0052.31	Check Valve	1
5	10.3213.00*	O-ring 3 x 6 mm	1
6	60.1201.35	VB8 Brass Body	1
7	10.3170.08*	O-Ring 2,.62 x 7.6 mm	1
8	60.1206.31	Piston	1
9	10.3001.01*	O-ring 1 x 4 mm	1
10	10.3066.01*	O-ring 1.78 x 15.6 mm	1
11	60.1205.31	M 6 Nut	1
12	60.2221.20*	VB8/9 Seat+Shutter	1
13	10.4021.00*	Back Ring 11.4 x 15.9 mm	2
14	10.3175.00*	O-ring 2.62 x 10.77 mm	1
15	60.1204.31	Spring Guide	1
16	10.3167.01*	O-ring 2.62 x 5.23 mm	1
17	60.1203.31	Piston Housing	1
18	16.2100.00	M 4 x 4 mm Dowel	1
19	60.1704.31	M 22 Nut	1
20	14.3719.00	Washer 9 x 15 mm	1
21	60.1208.61	3.2 x 33 mm Spring	1

ITEM	PART NO.	DESCRIPTION	QTY
22	60.1210.31	Upper Frame	1
23	14.7421.00	1/4" Ball	1
24	60.1209.31	Brass Cap	1
25	29.0087.51	Sst Clip	1
26	29.0089.84	Plastic Housing	1
27	12.5006.00	El.Cable + Micro Switch	1
28	10.3206.01	O-ring 2.62 x 28.25 mm	1
29	16.3020.00	2.5 x 12 mm screw	2
30	29.0088.84	Cover	1
31	10.3169.00	O-ring 2.62 x 6.02 mm	1
32	29.0082.84	Black Nut-40 Bar	1
33	10.3038.00	O-ring 1.78 x 3.68 mm	1
34	14.3519.53	Sst Washer 4 x 8 mm	1
35	60.2303.51	Spring	1
36	60.1281.31	PR 5 Pin	1
37	60.1202.84	Plastic Handle (60.1290.00)	1
38	14.3582.00	Washer D. 30 mm (60.1290.00)	1
39	60.2254.31	M 30 Nut (60.1290.00)	1
40	29.0096.24	PR 5 Pl.Housing Kit	1
Kit P/N	Description		
*K1	60.1212.24	VB8 Spare Parts Kit 9x1 pcs	1

AR-AL UNLOADER EXPLODED VIEW AND PARTS LIST

AR - AL 607 #9.802-367.0

7-8 Gpm, 4200 Psi



AR-AL UNLOADER EXPLODED VIEW AND PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	83-005150010	Check Connector	1
2	83-005060108	‡ O-Ring 2068	3
3	83-005100002	Shutter Spring	1
4	83-004120000	Shutter	1
5	83-004060109	‡ O-Ring 631290 SH	1
6	83-005170102	1/4 G Plug	1
7	83-005030101	M8 Lock Nut	1
8	83-005100100	Knob	1
9	83-005150101	Washer	1
10	83-005400403	4000 PSI Spring (Black)	1
11	83-005150011	Stem Guide Union	1
12	83-005000102	‡ Back Ring	2
13	83-005060106	‡ O-Ring 2031	1
14	83-005160502	Stem AL606	1
14	83-005160514	Stem AL607	1

ITEM	PART NO.	DESCRIPTION	QTY
15	83-005106301	Spring Pin	1
16	83-005000101	Back Ring	2
17	83-005060101	‡ O-Ring 2050	1
18	83-005020003	Body By Pass 1/4 G-F	1
18	83-005020026	Body By Pass 3/8 G-F	1
19	83-005060200	3/8 Gasket	1
20	83-001060129	‡ O-Ring 2043	1
21	83-001060200	‡ Seat	1
22	83-001160000	‡ Ball	1
23	83-005100003	Ball Spring	1
24	83-005150009	Seat Union	1
25	83-005030200	M8 Nut	2
26	83-005170101	3/8G Plug	2
27	83-005060201	Gasket	1
	83-005650200	**‡ Repair Kit**	

Unloader Adjustment Procedures

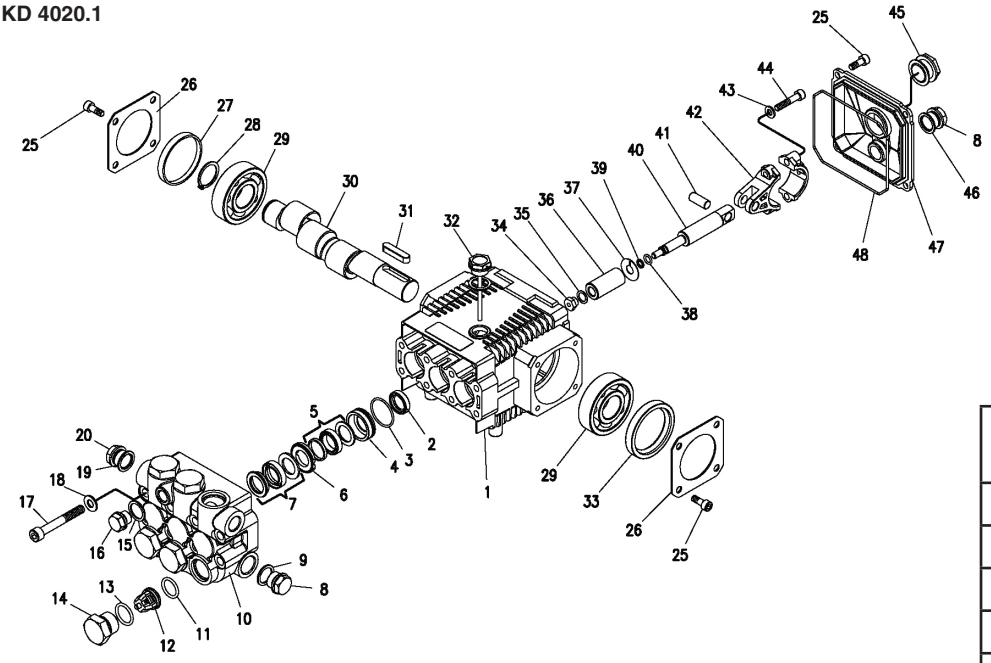
1. Remove lock nut (Item 7).
2. Remove adjustment knob (Item 8).
3. Loosen the (2) nuts (Item 25), move them upward on stem (Item 14) till you see 4 or more threads below the nut.
4. Re-attach adjusting knob (Item 8).
5. Start machine. Open the trigger of the spray gun. Increase pressure by turning adjustment knob (Item 8) clockwise till pressure is at the desired operating pressure.
6. Remove the adjustment knob (Item 8), tighten the lower nut (items 25) tightly against the upper nut (Items 25). Re-attach adjustment knob (Item 8) and screw down until contact is made with the nuts (Items 25). Screw down lock nut (Item 7) onto the stem (Item 14) until the stem (Item 14) threads cut into the nylon insert of the lock nut (Item 7).

*****If adjustment knob (Item 8) **DOES NOT** make contact with upper nut (Items 25), remove adjusting knob (Item 8), re-adjust (raise) nuts (Items 25) on stem (Item 14) and re-attach adjustment knob (Item 8), then repeat step #6.

******If adjustment knob (Item 8) **DOES** make contact with upper nut; release the trigger of the spray gun and watch the pressure gauge for the pressure increase (“spike"). This “spike" **SHOULD NOT** exceed 500 psi above the operating pressure. If “spike" pressure exceeds the 500 psi limit, remove the adjusting knob (Item 8) and re-adjust (lower) the nuts (Items 25) on the stem (Item 14). Re-attach the adjusting knob (Item 8), then repeat step #6.

KD.1 PUMP EXPLODED VIEW

9.803-417.0 KD 3025.1
9.804-006.0 KD 3030.1
9.804-019.0 KD 4020.1



TORQUE SPECS	
Item #	Ft.-lbs
14	65
17	18
25	7.6
34	7
44	13

KD.1 PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.803-938.0	Crankcase	1
2*	See Kits	Plunger Oil Seal	3
3*	See Kits	O-Ring Ø1.78 x 28.30	3
4*	See Kits	Pressure Ring 15mm (3030)	3
	See Kits	Pressure Ring 18mm (4020, 3025)	3
5*	See Kits	U-Seal, 15mm (3030)	3
	See Kits	U-Seal, 18mm (4020, 3025)	3
6*	See Kits	Intermediate Ring 15mm (3030)	3
	See Kits	Intermediate 18mm (4020, 3025)	3
7*	SSee Kits	Intermed. Ring 15mm (3030)	3
	See Kits	Intermed. Ring 18mm (4020, 3025)	3
8	9.802-926.0	Brass Plug 1/2"	1
9	9.803-199.0	Copper Washer 1/2"	1
10	9.803-946.0	Manifold Housing	1

ITEM	PART NO.	DESCRIPTION	QTY
11*	See Kits	O-Ring Ø1.78 x 15.54	6
12*	See Kits	Valve Assembly	6
13*	See Kits	O-Ring Ø2.62 x 18.77	6
14	9.803-949.0	Valve Plug	6
15	9.803-950.0	Copper Washer 1/4	1
16	9.803-951.0	Brass Plug G1/4	1
17	9.803-952.0	Manifold Stud Bolt	8
18	9.802-884.0	Washer	8
19	9.803-198.0	Copper Washer 3/8	1
20	9.802-925.0	Brass Plug 3/8	2
25	9.802-939.0	Screw	12
26	9.803-953.0	Bearing Cover	2
27	9.803-954.0	Bearing Seal	1
28	9.802-914.0	Snap Ring	1
29	9.803-955.0	Ball Bearing	2
30	9.803-956.0	Crankshaft	1
31	9.803-167.0	Crankshaft Key	1
32	9.803-957.0	Oil Dipstick	1

KD.1 PUMP EXPLODED VIEW PARTS LIST (CONT)

ITEM	PART NO.	DESCRIPTION	QTY
33	8.933-010.0	Crankshaft Seal	1
34*	See Kits	Plunger Nut	3
35*	See Kits	Copper Spacer	3
36*	See Kits	Plunger, 15mm (3030)	3
	See Kits	Plunger, 18mm (4020, 3025)	3
37*	See Kits	Copper Spacer	3
38*	See Kits	O-Ring Ø1.78 x 5.28	3
39*	See Kits	Teflon Ring	3
40*	See Kits	Plunger Rod	3
41	9.803-965.0	Connecting Rod Pin	3
42	9.803-966.0	Connecting Rod	3
43	9.803-218.0	Spring Washer	6
44	8.933-020.0	Connecting Rod Screw	6
45	9.803-202.0	Sight Glass	1
46	9.803-197.0	Gasket	1
47	9.803-968.0	Crankcase Cover	1
48	9.803-969.0	O-Ring Ø2.62 x 107.62	1

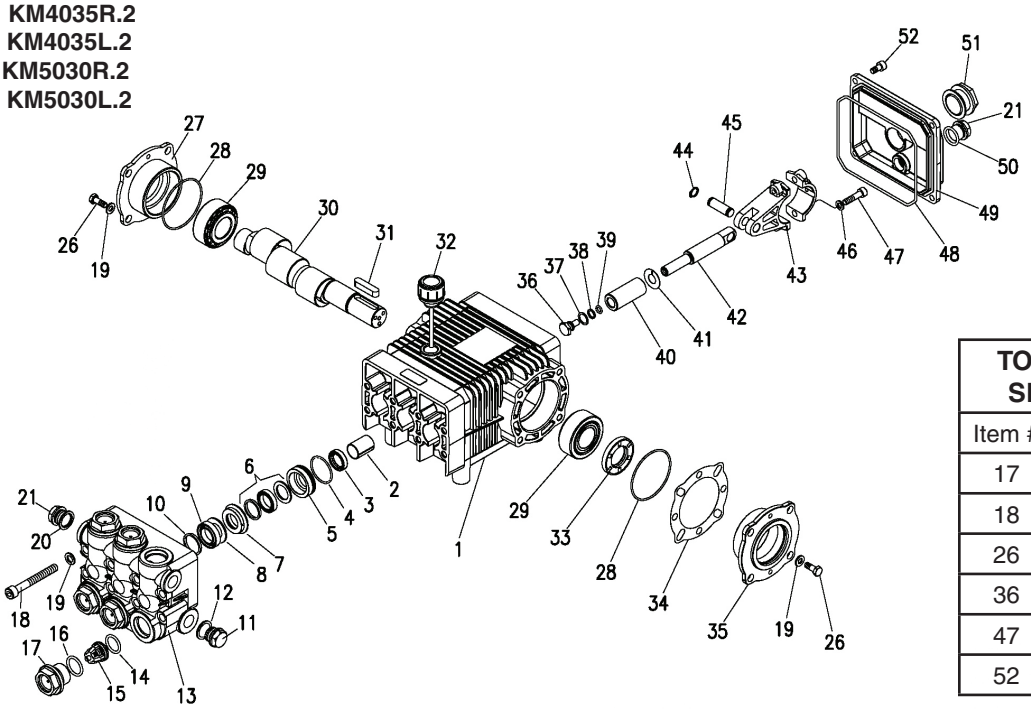
* Available in kit (See below)

REPAIR KIT NUMBER	8.725-354.0	8.725-356.0	8.725-355.0	8.725-357.0
KIT DESCRIPTION	Plunger Seal 15mm 3030	Plunger Seal 18mm 3025 4020	Complete Seal Packing, 15mm 3030	Complete Seal Packing, 18mm 3025 4020
ITEM NUMBERS INCLUDED	3, 5, 7	3, 5, 7	3, 4, 5, 6, 7	3, 4, 5, 6, 7,
NUMBER OF CYLINDERS KIT WILL SERVICE	3	3	1	1

REPAIR KIT NUMBER	9.803-934.0	9.803-935.0	9.803-936.0	9.803-937.0
KIT DESCRIPTION	Plunger 15mm 3030	Plunger 18mm 3025 4020	Complete Valve	Plunger Oil Seals
ITEM NUMBERS INCLUDED	34, 35, 36, 37, 38, 39, 40	34, 35, 36, 37, 38, 39, 40	11, 12, 13	2
NUMBER OF CYLINDERS KIT WILL SERVICE	1	1	6	3

KM.2 PUMP EXPLODED VIEW

8.904-689.0 KM3540R.2
9.803-405.0 KM4030R.2
9.803-406.0 KM4030L.2
9.802-343.0 KM4035R.2
9.803-407.0 KM4035L.2
9.802-342.0 KM5030R.2
9.803-408.0 KM5030L.2



TORQUE SPECS	
Item #	Ft.-lbs
17	75
18	30
26	8
36	7
47	13
52	7.6

KM.2 PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	8.933-012.0	Crankcase	1
2	9.803-196.0	Plunger Guide	3
3*	See Kits	Plunger Oil Seal	3
4*	See Kits	O-Ring Ø1.78 x 31.47	3
5*	See Kits	Pressure Ring	3
6*	See Kits	U-Seal	3
7*	See Kits	Intermediate Ring	3
8*	See Kits	Back-up Ring	3
9*	See Kits	U-Seal	3
10*	See Kits	Support Ring	3
13	9.802-932.0	Manifold Head	1
14*	See Kits	O-Ring Ø2.62 x 17.13	6
15*	See Kits	Valve Assembly	6
16*	See Kits	O-Ring Ø2.62 x 20.29	6
17	9.802-928.0	Valve Plug	6
18	9.802-938.0	Manifold Stud Bolt	8
19	9.802-884.0	Washer	16
20	9.803-198.0	Copper Washer 3/8	1
21	9.802-925.0	Brass Plug 3/8	1

ITEM	PART NO.	DESCRIPTION	QTY
26	9.802-944.0	Hexagonal Screw	8
27	8.717-210.0	Closed Bearing Housing	1
28	9.803-192.0	O-Ring Ø1.78 x 60.05	2
29	8.933-011.0	Tapered Roller Bearing	2
30	9.803-146.0	Crankshaft (5030, 3540)	1
	9.803-147.0	Crankshaft (4030, 4035)	1
31	9.803-167.0	Crankshaft Key	1
32	9.802-921.0	Oil Dip Stick	1
33	9.803-140.0	Crankshaft Seal	1
34	9.803-178.0	Shim	2
35	8.717-209.0	Bearing Housing	1
36*	See Kits	Plunger Bolt	3
37*	See Kits	Copper Spacer	3
38*	See Kits	O-Ring Ø1.78 x 7.66	3
39*	See Kits	Teflon Ring	3
40*	See Kits	Plunger (4035)	3
	See Kits	Plunger (4030, 5030)	3
	See Kits	Plunger (3540)	3
41*	See Kits	Copper Spacer	3

KM.2 PUMP EXPLODED VIEW PARTS LIST (CONT)

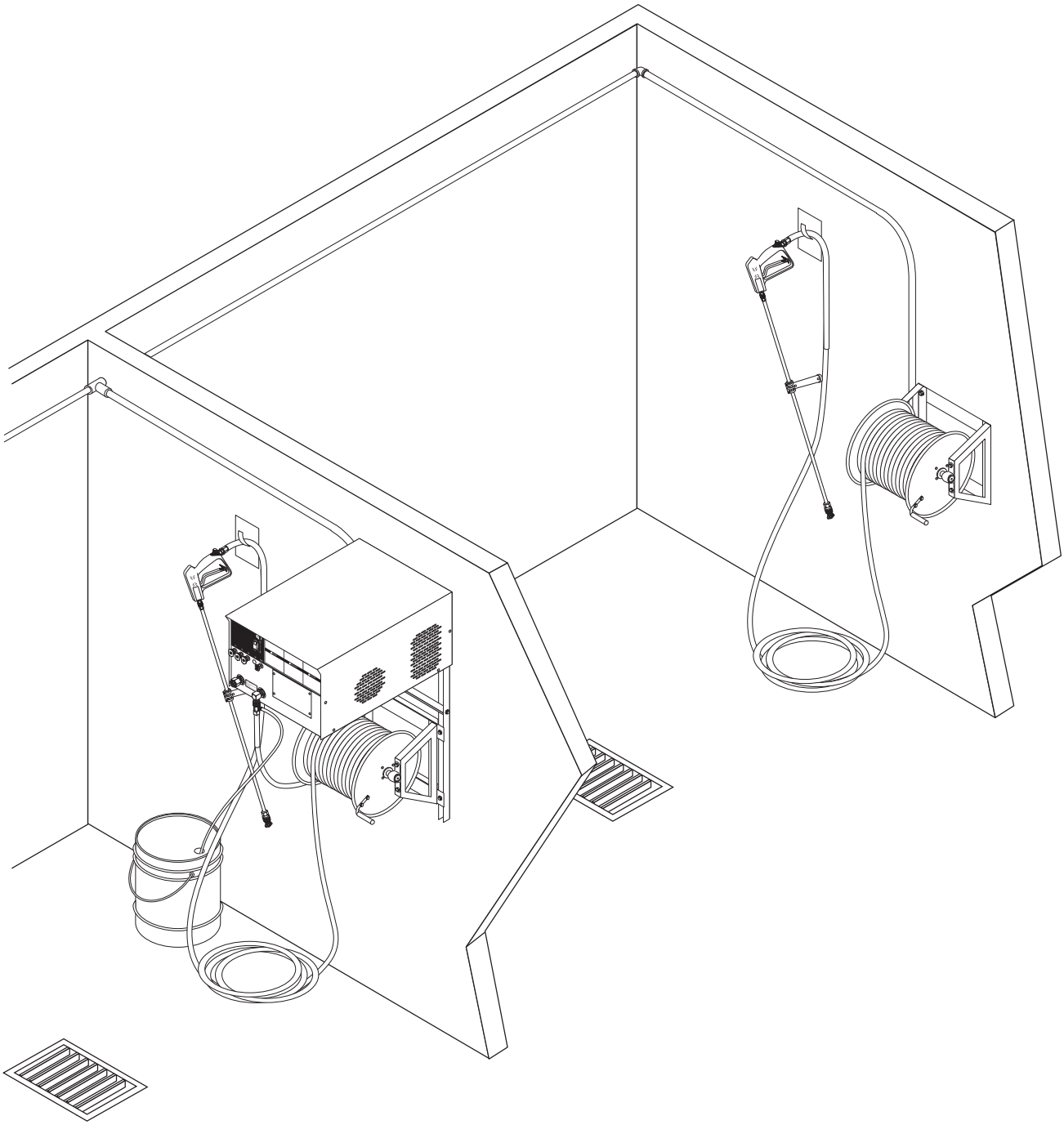
ITEM	PART NO.	DESCRIPTION	QTY
42	9.803-144.0	Plunger Rod	3
43	9.803-158.0	Connecting Rod	3
44	9.802-913.0	Snap Ring	6
45	9.802-916.0	Connecting Rod Pin	3
46	9.803-218.0	Spring Washer	6
47	9.803-238.0	Connecting Rod Screw	6
48	8.933-016.0	O-Ring, Ø2.62 x 126.67	1
49	9.803-165.0	Crankcase Cover	1
50	9.803-197.0	O-Ring, Ø1.78 x 14	1
51	9.803-202.0	Sight Glass 3/4	1
52	9.802-939.0	Cover Screw	5

* Available in kit (See below)

REPAIR KIT NO.	8.725-360.0	8.725-362.0	8.725-358.0	8.725-361.0	8.725-363.0	8.725-359.0
KIT DESCRIPTION	Plunger Seal 4035 18mm	Plunger Seal 4030 5030 20mm	Plunger Seal 3540 15mm	Complete Seal Packing 4035 18mm	Complete Seal Packing 4030 5030 20mm	Complete Seal Packing 3540 15mm
ITEM NUMBERS INCLUDED	4, 6, 8, 9, 10	4, 6, 8, 9, 10	4, 6, 8, 9, 10	4, 5, 6, 7, 8, 9, 10	4, 5, 6, 7, 8, 9, 10	4, 5, 6, 7, 8, 9, 10
NO. OF CYLINDERS KIT WILL SERVICE	3	3	3	1	1	1

REPAIR KIT NO.	9.802-629.0	9.802-620.0	8.933-023.0	9.802-603.0	9.802-609.0
KIT DESCRIPTION	Plunger 4035 18mm	Plunger 4030 5030 20mm	Plunger 3540 15mm	Complete Valve	Plunger Oil Seals
ITEM NUMBERS INCLUDED	36, 37, 38, 39, 40, 41	36, 37, 38, 39, 40, 41	36, 37, 38, 39, 40, 41	14, 15, 16	3
NO. OF CYLINDERS KIT WILL SERVICE	1	1	1	6	3

MULTI-ROOM INSTALLATION



LIMITED NEW PRODUCT WARRANTY—COMMERCIAL PRESSURE WASHERS

Phone: 360-833-1600
Fax: 800-248-8409
www.karchercommercial.us

WHAT THIS WARRANTY COVERS

All Kärcher commercial pressure washers are warranted by Kärcher to the original purchaser to be free from defects in materials and workmanship under normal use, for the periods specified below. This Limited Warranty, subject to the exclusions shown below, is calculated from the date of the original purchase, and applies to the original components only. Any parts replaced under this warranty will assume the remainder of the pressure washer's warranty period.

FIVE YEAR PARTS AND ONE YEAR LABOR WARRANTY

Components manufactured by Kärcher, such as frames, handles, float tanks, fuel tanks, belt guards, and heating coils. Internal components on the oil-end of Kärcher axial pumps have a 5 year warranty. Period of warranty on axial pumps shall be one year. Kärcher crankshaft pumps have a 7 year warranty on non-wear parts. Heating coils are pro-rated at 25% after 2 years. Stainless steel coils have a 10 year warranty.

ONE YEAR PARTS AND ONE YEAR LABOR WARRANTY

All other components, excluding normal wear items as described below, will be warranted for one year on parts and labor. Parts and labor warranty on these parts will be for one year regardless of the duration of the original component manufacturer's part warranty.

WARRANTY PROVIDED BY OTHER MANUFACTURERS

Motors, generators, and engines, which are warranted by their respective manufacturers, are serviced through these manufacturers' local authorized service centers. Kärcher is not authorized and has no responsibility to provide warranty service for such components. Motors manufactured outside of the United States will be warranted by Kärcher.

WHAT THIS WARRANTY DOES NOT COVER

This warranty does not cover the following items:

1. Normal wear items, such as nozzles, spray guns, discharge hoses, wands, quick couplers, seals, filters, gaskets, O-rings, packings, pistons, pump valve assemblies, strainers, belts, brushes, rupture disks, fuses, pump protectors.
2. Any components or other devices incorporated into a Kärcher product that are not manufactured by Kärcher, including, but not limited to gasoline engines, pumps, etc.
3. Defects caused by improper or negligent operation or installation, accident, abuse, misuse, neglect, unauthorized modifications, repair or maintenance of the product by persons other than authorized representatives of Kärcher, including, but not limited to, the failure of the Customer to comply with recommended product maintenance schedules.
4. Kärcher products that have been returned by the original Customer and are ultimately re-sold by an Authorized Servicing Dealer or other sales or service outlet to another purchaser.
5. Kärcher products that are sold by any distributor or retailer that is not an official authorized dealer or retailer of Kärcher products.
6. Defects caused by acts of nature and disaster including, but not limited to, floods, fires, wind, freezing, earthquakes, tornadoes, hurricanes and lightning strikes.
7. Defects caused by water sediments, rust corrosion, thermal expansion, scale deposits or a contaminated water supply (such as water in the unit with chloride content higher than that of 80 mg/liter or use of chemicals not approved or recommended by Kärcher).
8. Defects caused by improper voltage, voltage spikes or power transients in the electrical supply.
9. Devices or accessories not distributed or approved by Kärcher.
10. Any cost of labor arising from the removal and reinstallation of the alleged defective part by Customer.
11. Transportation of the product to an Authorized Servicing Dealer, field labor, replacement rental and any freight charges.

Any components, accessories or other devices provided with the product but not manufactured by Kärcher (such as engines, pumps, etc.) are subject to warranties and service through their respective manufacturers authorized service centers and according to the applicable terms and conditions of such manufacturers warranties. Such components or other devices not manufactured by Kärcher should be referred by the Customer to an authorized service center or their respective manufacturers for repair or replacement.

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